

1. A communication terminal, which enables telephone conversations by voice, comprising:

a line establishing element that establishes lines to a plurality of terminals on the other side in parallel with each other;

a speaker for outputting the voice received by said communication control element.

a microphone through which voice is inputted;

a line establishing element that establishes lines to a plurality of terminals on the other side in parallel with each other;

a communication control element for transmitting the voice inputted through said microphone to said plurality of terminals on the other side, and for receiving the voice transmitted from said plurality of terminals on the other side; and

a speaker for outputting voice received by said communication control element.

a microphone through which voice is inputted;

a communication control element for transmitting the voice inputted through microphone to said plurality of terminals on the other side, and for receiving voice transmitted from said plurality of terminals on the other side; and

4. The conversation system according to claim 3, wherein a first communication terminal of said plurality of communication terminals comprises:

an origination information transmitting element for transmitting the origination information data, generated by said origination information generating element to said third communication terminal whose line has been established to said first communication terminal.

an origination information receiving element for receiving the origination information data transmitted by said first communication terminal, and

the line establishing element of said third communication terminal comprises:

a line automatic establishing element which, based upon the origination information data received by said origination information receiving element, establishes a line to said second communication terminal without terminating the line to said first communication terminal.

5. A line establishing method used in a conversation system, which enables telephone conversations by voice among a plurality of communication terminals, wherein each of said communication terminals comprises:

a microphone through which voice is inputted;

a line establishing element that establishes lines to a plurality of terminals on the other side in parallel with each other;

a communication control element for transmitting the voice inputted through said microphone to said plurality of terminals on the other side, and for receiving said voice transmitted from said plurality of terminals on the other side; and

a speaker for outputting voice received by said communication control element,

a first communication terminal of said plurality of communication terminals comprises:

an origination information generating element for generating origination information data related to a second communication terminal whose line has not been established to a third communication terminal; and

an origination information transmitting element for transmitting the origination information data, generated by said origination information generating element to said third communication terminal whose line has been established to said first communication terminal,

FOOTNOTES: 01001000

an origination information receiving element for receiving the origination information data transmitted by said first communication terminal, and

a line automatic establishing element which, based upon the origination information data received by said origination information receiving element, establishes a line to said second communication terminal without terminating the line to said first communication terminal, and

1) said first communication terminal establishes a line to said third communication terminal in said first step;

3) said first communication terminal transmits said origination information data to said third communication terminal in said third step; and

4) said third communication terminal establishes a line to said second communication terminal by using said line automatic establishing element, thereby allowing the lines to be mutually established among said first, second, and third communication terminals in said fourth step.

an origination information receiving element for receiving origination information data related to another communication terminal A that is not having conversations with said terminal in question from still another communication

terminal B that is currently having conversations with said terminal in question;  
and

a line automatic establishing element which, in response to receipt of said origination information data, establishes a line to said communication terminal A without terminating the line to said receiving terminal B.

7. The communication terminal according to claim 6, further comprising:

an origination information generating element for generating origination information data related to another communication terminal C; and

an origination information transmitting element for transmitting the origination information data related to said communication terminal C, generated by said origination information generating element, to still another communication terminal B that is having conversations with said terminal in question, but is not having conversations with said communication terminal C.

8. A conversation system, which enables telephone conversations by voice among a plurality of communication terminals, each of said communication terminals comprising:

an origination information receiving element for receiving origination information data related to another communication terminal A that is not having conversations with the terminal in question from still another communication terminal B that is currently having conversations with the terminal in question;

a line automatic establishing element which, in response to receipt of said origination information data, establishes a line to said communication terminal A without terminating the line to said receiving terminal B;

an origination information generating element for generating origination information data related to still another communication terminal C; and

an origination information transmitting element for transmitting the origination information data related to said communication terminal C, generated by said origination information generating element, to still another communication terminal B that is having conversations with the terminal in question, but is not having conversations with said communication terminal C.

9. The communication terminal according to claim 7, further comprising:

a temporary terminating element for temporarily terminating a voice transmission and receipt to and from a specified terminal on the other side among a plurality of terminals on the other side whose lines have been established.

10. The communication terminal according to claim 7, further comprising:

a temporary terminating element for temporarily terminating a voice transmission to a specified terminal on the other side among a plurality of terminals on the other side whose lines have been established.

11. The communication terminal according to claim 9, wherein said temporary terminating element further comprises:

an element for allowing the user to visually recognize the terminal on the other side that has been specified so as to be temporarily terminated among the plurality of terminals on the other side.

12. The communication terminal according to claim 9, wherein said

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temporary terminating element further comprises:

an element which, when temporarily terminated as the specified terminal on the other side, allows the user thereof to recognize the temporary terminated state.

13. The communication terminal according to claim 7, further comprising:

a voice relaying element which relays and transmits voice received from a specified terminal on the other side among the plurality of terminals on the other side whose lines have been established, as it is, to another specified terminal on the other side.

14. A communication terminal comprising:

a communication control element which establishes lines to a plurality of different terminals on the other side in parallel with each other; and

a transmission end identifying element which allows an operator of said communication terminal to visually recognize the current transmission end to said communication terminal by reflecting the result of discrimination as to which terminal of said plurality different terminals on the other side is currently transmitting communication information to said communication terminal to a display state of a visual displaying element installed on said communication terminal.

15. The communication terminal according to claim 14, wherein said communication information comprises a voice signal, and said communication control element comprises:

a transmission end discrimination element for discriminating which terminal of

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said plurality of different terminals on the other side has transmitted said received voice signal, and

said transmission end identifying element includes:

an element for allowing said visual displaying element to provide said visually discriminating display of said current transmission end, based upon discrimination information of said transmission end discrimination element.

16. The communication terminal according to claim 15, further comprising:

an element for displaying a list of dial numbers of said plurality of different terminals on the other side on said visual displaying element,

wherein said transmission end identifying element includes:

an element for displaying a dial number of said current transmission end in an emphasized manner from the dial numbers of said plurality of different terminals on the other side displayed on said visual displaying element.

17. The communication terminal according to claim 15, further comprising:

an element for dividing a display area of said visual displaying element into a plurality of division areas and for displaying guide information on each of said division areas for each of said plurality of different terminals on the other side,

wherein said transmission end identifying element includes:

an element for displaying said division area corresponding to said current transmission end in a display mode different from the rest of said division areas with respect to said plurality of division areas,

18. The communication terminal according to claim 17, wherein said

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22. The communication terminal according to claim 21, wherein said guide

information is an image received from each of said plurality of different terminals on the other side.

23. The communication terminal according to claim 21, wherein, among said plurality of different terminals on the other side, with respect to those terminals on the other side that have transmitted images, received images from the terminals on the other side are displayed as said guide information, while among said plurality of different terminals on the other side, with respect to those terminals on the other side that transmit no images, substituting information for identifying the terminals on the other side are displayed as said guide information.

24. A communication terminal comprising:

a communication control element which establishes lines to a plurality of different terminals on the other side in parallel with each other,

wherein said communication control element comprises:

a transmission end discriminating element for discriminating which terminal of said plurality of different terminals on the other side is currently transmitting voice information to said communication terminal,

said communication terminal further comprising:

a transmission end identifying element which, based upon discrimination information of said transmission end discriminating element, selects a different voice output element for each terminal on the other side from a plurality of voice output elements installed in said communication terminal, and which outputs said voice information from the selected voice output element so that the operator of said communication terminal is allowed to clearly recognize the current transmission end

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Isotope	Abundance (%)	Mass (amu)	Relative Abundance (%)
$^1\text{H}$	99.985	1.0078	100
$^2\text{H}$	0.015	2.0141	0.015
$^{12}\text{C}$	98.93	12.0000	100
$^{13}\text{C}$	1.07	13.0034	1.07
$^{14}\text{N}$	99.63	14.0031	100
$^{15}\text{N}$	0.37	15.0031	0.37
$^{16}\text{O}$	99.76	15.9949	100
$^{17}\text{O}$	0.04	16.9991	0.04
$^{18}\text{O}$	0.20	17.9991	0.20
$^{23}\text{Na}$	100	22.9898	100
$^{24}\text{Mg}$	78.99	23.9850	100
$^{25}\text{Mg}$	10.00	24.9858	12.65
$^{26}\text{Mg}$	11.01	25.9826	13.35
$^{27}\text{Al}$	100	26.9815	100
$^{28}\text{Si}$	92.23	27.9769	100
$^{29}\text{Si}$	4.68	28.9765	5.06
$^{30}\text{Si}$	3.09	29.9738	3.34
$^{31}\text{P}$	100	30.9738	100
$^{32}\text{S}$	95.02	31.9721	100
$^{33}\text{S}$	0.75	32.9715	0.75
$^{34}\text{S}$	4.23	33.9704	4.23
$^{35}\text{Cl}$	75.78	34.9689	100
$^{37}\text{Cl}$	24.22	36.9659	32.43
$^{39}\text{K}$	93.26	38.9637	100
$^{40}\text{K}$	0.0117	39.9640	0.0117
$^{41}\text{K}$	6.73	40.9618	6.73
$^{42}\text{Ca}$	28.73	41.9586	100
$^{43}\text{Ca}$	0.135	42.9587	0.135
$^{44}\text{Ca}$	2.06	43.9594	2.06
$^{46}\text{Ca}$	0.004	45.9526	0.004
$^{47}\text{Ca}$	0.004	46.9545	0.004
$^{48}\text{Ca}$	0.187	47.9471	0.187
$^{49}\text{Ti}$	5.74	48.9479	100
$^{50}\text{Ti}$	3.61	49.9448	6.29
$^{51}\text{Ti}$	5.19	50.9434	9.04
$^{52}\text{Ti}$	0.37	51.9405	0.66
$^{53}\text{Cr}$	4.34	52.9407	100
$^{54}\text{Cr}$	2.36	53.9394	5.43
$^{56}\text{Cr}$	71.73	55.9399	163.7
$^{57}\text{Cr}$	2.22	56.9363	5.05
$^{58}\text{Cr}$	0.13	57.9363	0.29
$^{59}\text{Cr}$	0.004	58.9344	0.009
$^{60}\text{Cr}$	0.004	59.9348	0.009
$^{62}\text{Ni}$	3.63	61.9291	100
$^{64}\text{Ni}$	0.92	63.9280	2.31
$^{66}\text{Ni}$	0.04	65.9275	0.10
$^{68}\text{Ni}$	0.0003	67.9248	0.0007
$^{70}\text{Ni}$	0.0001	69.9236	0.0002
$^{72}\text{Ni}$	0.0001	71.9227	0.0002
$^{74}\text{Ni}$	0.0001	73.9223	0.0002
$^{76}\text{Ni}$	0.0001	75.9219	0.0002
$^{78}\text{Ni}$	0.0001	77.9216	0.0002
$^{80}\text{Ni}$	0.0001	79.9213	0.0002
$^{82}\text{Ni}$	0.0001	81.9210	0.0002
$^{84}\text{Ni}$	0.0001	83.9207	0.0002
$^{86}\text{Ni}$	0.0001	85.9204	0.0002
$^{88}\text{Ni}$	0.0001	87.9201	0.0002
$^{90}\text{Ni}$	0.0001	89.9198	0.0002
$^{92}\text{Ni}$	0.0001	91.9195	0.0002
$^{94}\text{Ni}$	0.0001	93.9192	0.0002
$^{96}\text{Ni}$	0.0001	95.9189	0.0002
$^{98}\text{Ni}$	0.0001	97.9186	0.0002
$^{100}\text{Ni}$	0.0001	99.9183	0.0002
$^{102}\text{Ni}$	0.0001	101.9180	0.0002
$^{104}\text{Ni}$	0.0001	103.9177	0.0002
$^{106}\text{Ni}$	0.0001	105.9174	0.0002
$^{108}\text{Ni}$	0.0001	107.9171	0.0002
$^{110}\text{Ni}$	0.0001	109.9168	0.0002
$^{112}\text{Ni}$	0.0001	111.9165	

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$^{46}\text{Ca}$	0.004	45.9522	0.004
$^{47}\text{Ca}$	0.0004	46.9545	0.0004
$^{48}\text{Ca}$	0.187	47.9483	0.187
$^{49}\text{Ti}$	5.74	48.9479	100
$^{50}\text{Ti}$	3.61	49.9448	63.76
$^{51}\text{Ti}$	5.18	50.9434	91.24
$^{52}\text{Ti}$	0.06	51.9404	1.00
$^{53}\text{Cr}$	4.34	52.9407	100
$^{54}\text{Cr}$	2.36	53.9392	55.43
$^{56}\text{Cr}$	71.73	55.9399	164.61
$^{57}\text{Cr}$	0.13	56.9363	3.00
$^{58}\text{Cr}$	2.82	57.9363	63.96
$^{59}\text{Co}$	100	58.9332	100
$^{60}\text{Co}$	0.011	59.9338	0.011
$^{61}\text{Co}$	0.0077	60.9321	0.0077
$^{62}\text{Co}$	0.0001	61.9333	0.0001
$^{63}\text{Cu}$	69.15	62.9296	100
$^{65}\text{Cu}$	30.85	64.9278	45.76
$^{66}\text{Zn}$	27.90	65.9260	100
$^{67}\text{Zn}$	0.26	66.9271	0.26
$^{68}\text{Zn}$	18.76	67.9247	18.76
$^{69}\text{Zn}$	0.01	68.9256	0.01
$^{70}\text{Zn}$	0.06	69.9244	0.06
$^{71}\text{Ga}$	37.63	70.9247	100
$^{73}\text{Ga}$	62.37	72.9235	164.61
$^{74}\text{Ge}$	36.47	73.9212	100
$^{76}\text{Ge}$	7.76	75.9219	21.03
$^{77}\text{Ge}$	0.06	76.9231	0.16
$^{78}\text{Ge}$	35.44	77.9233	96.81
$^{79}\text{Br}$	50.69	78.9183	100
$^{81}\text{Br}$	49.31	80.9163	100
$^{82}\text{Se}$	0.074	79.9164	0.074
$^{83}\text{Se}$	0.007	80.9179	0.007
$^{84}\text{Se}$	6.62	81.9165	6.62
$^{86}\text{Se}$	0.09	83.9134	0.09
$^{87}\text{Se}$	7.63	84.9143	7.63
$^{88}\text{Se}$	23.85	86.9132	23.85
$^{89}\text{Kr}$	0.0001	88.9126	0.0001
$^{90}\text{Kr}$	0.0001	89.9126	0.0001
$^{92}\text{Kr}$	0.0001	91.9126	0.0001
$^{94}\text{Kr}$	0.0001	93.9126</	